

CLAIMS

I/We Claim:

1. A wire termination apparatus for crimping a
5 conductive lead of a component in a collapsible terminal,
the apparatus comprising:

an anvil configured to support the collapsible
terminal;

10 a crimper aligned with the anvil, the crimper and the
anvil being movable toward and away from each other to crush
and release the terminal; and

a guide member having an upwardly open guide groove
provided close to the anvil and aligned therewith for
supporting the component and guiding the conductive lead
15 into an insertion hole in the terminal.

2. A wire termination apparatus as defined in claim 1
wherein a terminal having a conductive lead inserted in the
insertion hole placed on the anvil is crushed by the
20 crimper, thereby terminating the conductive lead, which is
inserted within the insertion hole of the terminal, to the
terminal.

3. A wire termination apparatus as defined in claim 1,
25 wherein:

the guide member is operatively associated with the
crimper such that the guide member is caused to retreat from
the component upon to the downward motion of the crimper,
before the crimper abuts the terminal.

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4. A wire termination apparatus as defined in claim 2,
wherein:

the guide member is operatively associated with the
crimper such that the guide member is caused to retreat from

the component upon to the downward motion of the crimper,
before the crimper abuts the terminal.

5 5. A wire termination apparatus as defined in claim 1,
wherein the guide member is linked to the crimper.

6. A wire termination apparatus as defined in claim 4,
wherein the guide member is linked to the crimper.

10 7. A wire termination apparatus as defined in claim 6,
further comprising a link piece linking the guide member to
the crimper.

15 8. A wire termination apparatus as defined in claim 7
configured to allow insertion of a second conductor into the
collapsible terminal disposed on the anvil in a direction
perpendicular to the conductive lead.

20 9. A wire termination apparatus as defined in claim 1,
wherein the anvil further comprises:
a positioning plate for positioning the elongate
component by abutting the tip thereof, the positioning plate
having an escape groove for allowing movement of the
conductive lead during termination thereof.

25 10. A wire termination apparatus as defined in claim 8,
wherein the anvil further comprises:

a positioning plate for positioning the elongate
component by abutting the tip thereof, the positioning plate
30 having an escape groove for allowing movement of the
conductive lead during termination thereof.

11. A wire termination apparatus as defined in claim 1,
further comprising:

a rail for guiding successive collapsible terminals mounted on a carrier strip onto the anvil.

5 12. A wire termination apparatus as defined in claim 11, wherein the rail has a downward facing step for retaining the carrier strip and an upward facing opening to accommodate the collapsible terminals.

10 13. A wire termination apparatus as defined in claim 12 wherein a carrier brake is mounted on the rail and biased into frictional contact with the carrier strip.

15 14. A termination apparatus for terminating a conductive lead of a component in a collapsible terminal, the apparatus comprising:
an anvil and a crimper movable toward and away from each other; and
a guide member having an upwardly open guide groove for supporting the component in a sliding relationship such
20 that the conductive lead is inserted into an insertion hole in the terminal.

25 15. A termination apparatus as defined in claim 14, further comprising a link piece linking the guide member to the crimper.

30 16. A termination apparatus as defined in claim 15, wherein a recess is disposed in the anvil to retain the collapsible terminal and the crimper is disposed on a vertical ram, aligned with the recess.